(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/043802 A1

(51) International Patent Classification7:

H04L 9/00

(21) International Application Number:

PCT/US2004/034494

(22) International Filing Date: 20 October 2004 (20.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/512,091

20 October 2003 (20.10.2003) U

- (71) Applicant (for all designated States except US): DRM TECHNOLOGIES, LLC [US/US]; 6601 East Grant Road, Suite 101, Tucson, AZ 85715 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ORNSTEIN, Seth, M. [US/US]; 619 Somersworth Way, Silver Spring, MD 20902 (US). PHILLIPS, Eugene, B., II [US/US]; 5745 Poolside Drive, Raleigh, NC 27612 (US).
- (74) Agent: GROSS, Charles, J.; McGuire Woods LLP, 1750 Tysons Boulevard, Suite 1800, McLean, VA 22102 (US).

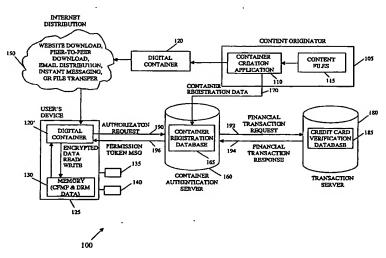
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SECURING DIGITAL CONTENT SYSTEM AND METHOD



(57) Abstract: A system and method of encrypting digital content in a digital container (120) and securely locking the encrypted content to a particular user and/or computer (125) or other computing device is provided. The system uses a token-based authentication and authorization procedure and involves the use of an authentication/authorization server (160). This system provides a high level of encryption security to that provided by public key/asymmetric cryptography without the complexity and expense of the associated PKI infrastructure. The system enjoys the simplicity and ease of use of single key/symmetric cryptography without the risk inherent in passing unsecured hidden keys. The secured digital container when locked (120) to a user's device (125) may not open or permit access to the contents if the digital container is transferred (120) to another user's device. The digital container provides a secure technique of distributing electronic content such as videos, text, data, photos, financial data, sales solicitations, or the like.



0005/043802 A1